

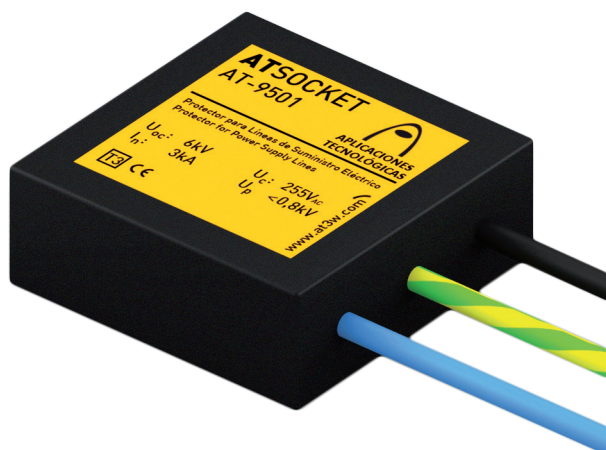


> POWER SUPPLY PROTECTION FOR AREAS WITH LOW OVERVOLTAGES

> ATSOCKET SERIES

> ATSOCKET

Indoor protector for power supply lines



- > **AT-9501 ATSOCKET:** $I_n = 3\text{kA}$. $U_p = 800\text{V}$
- > **AT-9505 ATSOCKET 5 kA:** $I_n = 3\text{kA}$. $U_p = 1000\text{V}$
- > **AT-9507 ATSOCKET 3 kA:** $I_n = 5\text{kA}$. $U_p = 1400\text{V}$
- > **AT-9512 ATSOCKET 5kA GDT:** $I_n = 5\text{kA}$. $U_p = 1500\text{V}$

Its small size allows its fitting close to the voltage sockets that will be used by customers.

It contains effective protection against transient overvoltages for single-phase power supply lines. **Tight** protection according to the cascade protection recommended in the Spanish Low Voltage Regulations (REBT ITC23).

Type 2 and 3 protectors according to EN 61643-11 and GUIA-BT-23 from REBT. Suitable for **categories I, II, III and IV equipment** according to the REBT.

- > Can be coordinated with other protectors such as those from the ATSHOCK, ATSHIELD, ATSUB and ATCOVER series.
- > Short response time.
- > Do not produce deflagration.
- > They do not cause any interruption to the power supply.
- > Small size modular protection.
- > Thermodynamic control device and sounding alarm (only AT-9501).

ATSOCKET series protectors have been tested in **official and independent laboratories** obtaining their characteristics according to applicable standards (shown in the table).

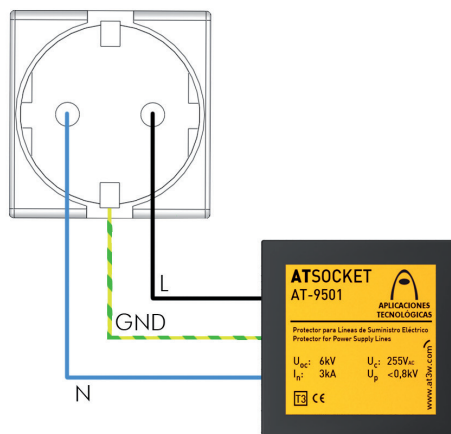
This protector is designed for its connection inside the cable channels that feed the sockets. **Especially designed for outdoor and street lighting.**

> INSTALLATION

To be installed **in parallel** with the low voltage power supply line, with connections to phase to be protected, neutral and ground.

Installation should be carried out **without power running through the line**.

Its use is recommended in systems where equipment sensitive to overvoltages is installed (computers, printers, servers etc.) and always coordinated with type 1 or 2 protectors.



Connection to earth is a must. Earthing in the whole installation must be bonded either directly or by a spark gap and resistance should be lower than $10\ \Omega$. If the indications on this datasheet are not fulfilled during use or installation of the protectors, the protection provided by this device could be compromised.



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> TECHNICAL DATASHEET

Reference:		ATSOCKET AT-9501	ATSOCKET 3 kA AT-9507	ATSOCKET 5 kA AT-9505	ATSOCKET 3 kA GDT AT-9512
Protection categories according to the REBT:		I, II, III y IV			
Type of tests according to EN 61643-11:		Type 3		Type 2+3	
Nominal voltage:	U _n	230 V _{AC}			
Maximum continuous operating voltage:	U _c	275 V _{AC}		400 V _{AC}	275 V _{AC}
Nominal frequency:		50 - 60 Hz			
Nominal discharge current 8/20 μs wave:	I _n	3 kA		5 kA	
Maximum discharge current 8/20 μs wave:	I _{max}	-		15 kA	10 kA
Combined wave voltage:	U _{o.c.}	6 kV		10 kV	
Protection level for I _n 8/20 μs wave L-N:	U _p (LN)	800 V	1000 V	1400 V	1300 V
Protection level for I _n 8/20 μs wave L-GND:	U _p (LG)	800 V	1000 V	1400 V	1500 V
Protection level for I _n 8/20 μs wave N-GND:	U _p (NG)	800 V	1000 V	1000 V	1500 V
Response time:	t _r	< 10 ns			
Working temperature:	ϑ	-40 °C to +70 °C			
Dimensions:		40 x 40 x 20 mm			
Protector location:		Indoor			
Type of connection:		Parallel (one port)			
No. of poles:		2			
Enclosure material:		ABS			
Enclosure protection:		IP20	IP65		
Insulation resistance:		> 10 ¹⁴ Ω			
Self-extinguishing enclosure:		V-0 Type according to UNE-EN 60707 (UL94)			
Connections L/N/G:		Section 1.5 mm ² Length 100 mm			
Certificated tests according to: UNE-EN 61643-11 Complies with requirements of: UL 1449 Relevant standards: UNE 21186, NF C 17-102, IEC 62305					

> DIMENSIONS (MM)

